

Docket No. 283985US0X PCT



JFw

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Chikara MASUTA, et al.

SERIAL NO: 10/562,227

GAU:

FILED: December 23, 2005

EXAMINER:

FOR: PLANT VIRUS VECTOR

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☐ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☐ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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MAIER & NEUSTADT, P.C.

Norman F. Oblon

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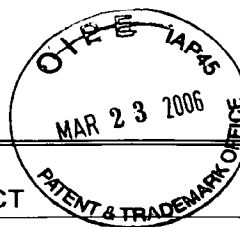
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /L.Z./

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
283985US0X PCTSERIAL NO.
10/562,227

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Chikara MASUTA, et al.

FILING DATE

December 23, 2005

GROUP

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|--------------------|------|------|-------|--------------|-------------------------------|
| | AA | | | | | | |
| | AB | | | | | | |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
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| | | | | | YES | NO |
| | AL | | | | | |
| | AM | | | | | |
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|--|----|--|--|
| | AP | DING, Shou-Wei et al., "An interspecies hybrid RNA virus is significantly more virulent than either parental virus", Proc. Natl. Acad. Sci, Vol. 93, Pages 7470-7474, 1996. | |
| | AQ | SHI, Bu-Jun et al., "Differential Virulence by Strains of Cucumber mosaic virus is Mediated by the 2 b Gene", Molecular Plant-Microbe Interactions, Vol. 15, No. 9, Pages 947-955, 2002. | |
| | AR | DING, Shou-Wei et al., "A novel naturally occurring hybrid gene encoded by a plant RNA virus facilitates long distance virus movement", The EMBO Journal, Vol. 14, No. 23, Pages 5762-5772, 1995. | |
| | AS | SOARDS, Avril J. et al., "Virulence and Differential Local and Systemic Spread of Cucumber mosaic virus in Tobacco are Affected by the CMV 2b Protein", Molecular Plant-Microbe Interactions, Vol. 15, No. 7, Pages 647-653, 2002. | |
| | AT | ZHAO, Y. et al, "Development and evaluation of a complementation-dependent gene delivery system based on Cucumber mosaic virus", Archives of Virology, Vol. 145, No. 11, Pages 2285-2295, 2000. | |
| | AU | CANTO, Tomas et al, "Characterization of Cucumber Mosaic Virus. IV., Movement Protein and Coat Protein are both essential for cell-to-cell movement of cucumber mosaic virus, Virology, Vol. 237, No. 2, Pages 237-248, 1997. | |
| | AV | SUGIYAMA, Yoshinori et al., "Systemic production of foreign peptides on the particle surface of Tobacco mosaic virus", FEBS Letters, Vol.359, Pages 247-250, 1995. | |
| | AW | FERNANDEZ-FERNANDEZ, M. Rosario et al., "Development of an antigen presentation system based on plum pox potyvirus", FEBS Letters, Vol.427, Pages 229-235, 1998. | |
| | AX | DONSON, J. et al., "Systemic expression of a bacterial gene by a tobacco mosaic virus-based vector", Proc. Natl. Acad. Sci, Vol. 88, Pages 7204-7208, 1991. | |
| | AY | MORI, Masashi et al., "mRNA amplification system by viral replicase in transgenic plants", FEBS Letters, Vol.336, No. 1, Pages 171-174, 1993. | |
| | AZ | SHI, Bu-Jun, et al., "The 2b Protein of Cucumoviruses Has a Role in Promoting the Cell-to-cell Movement Of Pseudorecombinant Viruses". Molecular Plant-Microbe Interactions, Vol. 16, No. 3, Pages 261-267, 2003. | <input type="checkbox"/> Additional References sheet(s) attached |

Examiner /Li Zheng/

Date Considered 04/07/2008

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /L.Z./



U.S. PCT Application Serial No: 10/562,227

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Chikara MASUTA, et al.

Docket No. 283985 US

STATEMENT OF RELEVANCY

- 1) References AP - AU have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References have been cited in the corresponding Search Report. A copy of these references is being submitted herewith.
- 3) References AV - AY are discussed in the specification. A copy of these references is being submitted herewith.
- 4) Reference AZ is additional prior art known to Applicant. A copy of this reference is being submitted herewith.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /L.Z./